

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/18749

Box IV TEXT OF THE ABSTRACT (Continuation of Item 5 of the first sheet)

NEW ABSTRACT

A percutaneous treatment catheter comprises a canopy (12) having a treatment side adapted to provide at least one of a variety of treatments to a first tissue layer and a protection side that protects adjacent tissue from the treatment. Treatments include, but are not limited to, those that act to cause an inflammatory response resulting in forming scar tissue that would tend to form adhesions, such as, but not limited to, for the treatment of pleural effusions. In an embodiment, a treatment catheter comprises a shaft (20) having a shaft and a treatment head (10) disposed about the shaft distal end, the treatment head adapted to present a low profile in a closed state and a broad profile in 10 a deployed state, the treatment head adapted to percutaneously treat one of first and second tissue layers and protect the other of the first and second tissue layers from the treatment.

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61F 7/00, 7/12
US CL : 607/96, 101; 606/15

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 607/96, 101; 606/15

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
NONE

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
NONE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X — Y	US 4,976,711 A (PARINS et al) 11 December 1990, see col 6, line 37-col. 7, line 18.	1, 19, 20, 22, 25 — 18, 26-30
X — Y	US 6,004,269 A (CROWLEY et al) 21 December 1999, see col. 24, line 46-col. 10, line 26.	1, 16 — 18
Y	US 6,056,744 A (EDWARDS) 02 May 2000, see col. 8, lines 33-457.	26-30
A	US 5,053,008 A (BAJAJ) 01 October 1991, see entire document	1-34

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

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